LOGGED BY	BEGIN DATE	COMPLETION DATE	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID
S. McLandrich	1-2-08	1-2-08	N2120671.411 / E5997532.381 (NAD83)	RW14-A1-PZ
DRILLING CONTRACTOR			BOREHOLE LOCATION (Offset, Station, Line)	SURFACE ELEVATION
Gregg Drilling and Testing, Inc.			Offset 162ft L Sta 50+36 SB Alignment	14.710 ft (NAVD88)
DRILLING METHOD			DRILL RIG	BOREHOLE DIAMETER
Mud Rotary			Failing 1500	5 in.
SAMPLER TYPE(S) AND SIZE(S) (ID)			SPT HAMMER TYPE	HAMMER EFFICIENCY, ERi
MC (2.4"), SPT (1.4"), Shelby (2.87")			Automatic, 140 lbs., 30-inch drop	72.8%
BOREHOLE BACKFILL AND COMPLETION			GROUNDWATER READINGS DURING DRILLING AFTER DRILLING (DATE)	TOTAL DEPTH OF BORING
2" dia. Standpipe Piezo Screened 30.0 to 40.0 ft				40 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	Description	Sample Location	Sample Number	Blows per 6 In	Blows per Foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
	0		CLAYEY GRAVEL (GC), dark gray, moist, fine to coarse, subangular to angular, with SAND. [FILL]												
	1		CLAYEY SAND (SC), dark gray, moist, fine to medium, with GRAVEL.												
12.71	2		Poorly graded SAND (SP), medium dense, yellowish brown, moist, fine to medium.		S1	14 25 24	49	100							
	3		3.0', with brick fragments up to 1.5" diameter.												
10.71	4		Poorly graded SAND with CLAY (SP-SC), dense, dark brown, moist, fine to medium, with brick and chert fragments up to 1/4" diameter.		S2	20 20 14	34	100							
	5		Slight increase in fines content.												
8.71	6		Grades dry, with concrete fragments > 1" diameter.												
	7														
6.71	8				S3	7 7 7	14	39							
	9														
4.71	10		Lean CLAY with SAND, soft, dark greenish gray, wet, SAND is fine.		S4	0 0 0	0	100							
	11														
2.71	12		Poorly graded SAND with SILT (SC), dark gray, wet, SAND is very fine to fine. [MARINE SAND]												
	13		Fat CLAY (CH), medium stiff, bluish gray, wet, with decayed vegetation. [BAY MUD]		U5		100 psi	97				TV = 0.3			
0.71	14														
	15														
-1.29	16		Poorly graded SAND with CLAY (SP-SC), bluish gray, wet, sand is fine to medium, rounded. [MARINE SAND]												
	17														
-3.29	18		CLAYEY SAND (SC), very loose, bluish gray, wet, SAND is fine, with lenses of SANDY CLAY.		S6	0 2 4	6	44							
	19				S7	2 8 12	20	100							
-5.29	20		Poorly graded SAND (SP), medium dense, yellowish brown, wet, fine to medium. [COLMA SAND]												
	21														
-7.29	22		Poorly graded SAND with CLAY (SP-SC), medium dense, yellowish brown, wet, fine with iron-oxide seam.												
	23				S8	8 14 24	38	100							
-9.29	24		Grades dense.		S9		40	100							
	25														

(continued)

Department of Transportation
Division of Engineering Services
Geotechnical Services

REPORT TITLE				HOLE ID
BORING RECORD				RW14-A1-PZ
DIST.	COUNTY	ROUTE	POSTMILE	EA
4	S.F.	101	8.3/9.4	163701
PROJECT OR BRIDGE NAME				
Doyle Drive Replacement Project				
BRIDGE NUMBER	PREPARED BY		DATE	SHEET
N/A	T. Carroll		11-3-08	1 of 2

CALTRANS FORMAT DOYLEDRIVE_ARUPLOGS_11-2-08.GPJ ARUP LIBRARY_CALTRANS FORMAT.GLB 11/3/08

Figure

ELEVATION (ft)	DEPTH (ft)	Material Graphics	Description	Sample Location	Sample Number	Blows per 6 In	Blows per Foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
	25		Poorly graded SAND with CLAY (SP-SC), medium dense, yellowish brown, wet, fine with iron-oxide seam.			9 17 23									
-11.29	26														
	27		Poorly graded SAND (SP), dense, yellowish brown, wet, fine to medium, trace fines.												
-13.29	28				S10	14 26 38	64	100							
	29		Grades with iron-oxide staining.		S11	13 20 25	45	100							
-15.29	30														
	31														
-17.29	32														
	33				S12	28 50/6"	50/6"	100							
-19.29	34		33.4' - 33.6', grades with iron-oxide mottling, weakly cemented.		S13	13 20 24	44	100							
	35														
-21.29	36														
	37														
-23.29	38		Grades very dense.		S14	29 50/6"	50/6"	100							
	39		Grades dark yellowish brown, SAND grades fine.		S15	18 33 23	56	100							
-25.29	40		Borehole terminated at a depth of 40 feet on 1/2/2008. See Boring Record Legend for soil classification chart and key to test data and sampler type.												
	41														
-27.29	42														
	43														
-29.29	44														
	45														
-31.29	46														
	47														
-33.29	48														
	49														
-35.29	50														
	51														
-37.29	52														
	53														
-39.29	54														
	55														

CALTRANS FORMAT DOYLEDRIVE_ARUPLOGS_11-2-08.GPJ ARUP LIBRARY_CALTRANS FORMAT.GLB 11/3/08

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N/A	T. Carroll		11-3-08	2 of 2

Figure